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ABSTRACT:

PROBLEM TO BE SOLVED: To reduce the throughput of a network device connected to a network when the network device controls a network connecting device other than the network device itself or acquires information.

SOLUTION: A node 2 outputs information acquisition request data in which circulation destinations that are circulated in the order of nodes 0, 1, 3 and 4 are described to the node 0 being the first circulation destination. Each circulated node attaches data requested from the self-device to the information acquisition request data and transmits the data to the next

circulation
destination. Finally, the information acquisition request
data to which the
data of all of the nodes of devices being objects are
attached are sent to the
node 2 from the node 4. Thus, the node 2 acquires needed
information from the
other needed nodes.

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